

**IN THE CLAIMS**

1. (currently amended) A system for routing a document to a desired location comprising:

means for extracting data from the document to be routed, the extracted data comprises content of the document and type of the document, the content of the document comprises one or more field names and associated data values representing information from the document, and the type of document comprises a predefined form associated with the document~~the document being contained on a physical or electronic media; and~~

means for routing the extracted data~~content of the document and the document to one or more the desired locations, among a plurality of locations, depending on the type of the document~~extracted data, the extracted data comprising at least one of a content of and a type of the document.

2. (currently amended) A system for routing a document to a desired location comprising:

means for extracting data from the document to be routed, the extracted data comprises content of the document and type of the document, the content of the document comprises one or more field names and associated data values representing information from the document, and the type of document comprises a predefined form associated with the document~~the document being contained on a physical or electronic media; and~~

means for comparing the extracted data to one or more predetermined business rules to determine whether the extracted data complies therewith.

3. (currently amended) A system for routing a document to a desired location comprising:

means for receiving the document to be routed, the document being contained on a physical or electronic media;

means for scanning the document and for extracting data from the document, the extracted data comprises content of the document and type of the document, the content of the document comprises one or more field names and associated data values representing information from the document, and the type of document comprises a predefined form associated with the document;

producing an electronic file comprising data representing a ~~type of and a~~ the content of the document;

means for validating the data in the electronic file;

means for comparing the validated data to one or more predetermined business rules to determine whether the validated data complies therewith; and

means for routing compliant data and the document to the one or more desired locations, among a plurality of locations,  
based upon the type ~~and content~~ of the document.

4. (original) The system as set forth in claim 3, further comprising means for rejecting noncompliant data and sending a notification of the same to a predetermined address.

5. (original) The system as set forth in claim 3, further comprising means for converting the compliant data into a determined output file format.

6. (original) The system as set forth in claim 3, further comprising means for archiving the compliant data into a database.

7. (previously presented) The system as set forth in claim 3, wherein the document is obtained from an e-mail, a facsimile, or a file transferred by a file transfer protocol.

8. (original) The system as set forth in claim 7, wherein in the case where the document is a facsimile, at least one dedicated inbound telephone number is provided therefor.

9. (previously presented) The system as set forth in claim 3, wherein the scanning means utilizes at least one of an Optical Character Recognition technique, an Image-Character Recognition technique, and an Optical Mark Recognition technique.

10. (previously presented) The system as set forth in claim 5, wherein the output file format is one of American Standard Code for Information Interchange text, American National Standards Institute X.12, Electronic Data Interchange For Administration Commerce And Transport, eXtensible Markup Language, EANCOM, TRADACOMS, Organisation for Data Exchange by Tele Transmission in Europe, and a customer-specified format.

11. (original) The system as set forth in claim 6, wherein the archiving means stores and indexes the data in the database so that the data may be searched for and retrieved.

12. (previously presented) The system as set forth in claim 3, wherein the routing means utilizes a message transport protocol selected from the list consisting of hypertext transfer protocol, simple mail transfer protocol, and file transfer protocol, or secured variants thereof.

13. (original) The system as set forth in claim 3, further comprising means for generating billing records.

14. (original) The system as set forth in claim 6, further comprising means for querying the archive database.

15. (withdrawn) A system for processing a document through a plurality of events, said system comprising:

means for determining status information relating to the processing of the document at one or more of said events; and

means for reporting the status information periodically.

16. (withdrawn) The system as set forth in claim 15, wherein the information includes transaction status, further comprising means for recovering from a transaction having a status identified as failed.

17. (withdrawn) The system as set forth in claim 16, wherein said recovery means corrects the failed transaction, if feasible, and re-injects the corrected transaction into the transaction process.

18. (withdrawn) The system as set forth in claim 15, wherein such information includes one of at least origin, destination, receipt, status, delivery, page count, identification, attempt, and stage.

19. (withdrawn) The system as set forth in claim 15, wherein said events include one of at least document receipt, data extraction, data verification, data transformation, data delivery, and data archiving.

20. (currently amended) A method for routing a document to a desired location comprising the steps of:

extracting data from the document to be routed, the extracted data comprises content of the document and type of the document, the content of the document comprises one or more field names and associated data values representing information from the document, and the type of document comprises a predefined form associated with the document~~the document being contained on a physical or electronic media; and~~

routing ~~the extracted data~~content of the document and the document to one or more ~~the desired locations,~~ among a plurality of locations, depending on the ~~extracted data, the extracted data including at least one of a content of and a type of the~~ document.

21. (currently amended) A method for routing a document to a desired location comprising the steps of:

extracting data from the document to be routed, the extracted data comprises content of the document and type of the document, the content of the document comprises one or more field names and associated data values representing information from the document, and the type of document comprises a predefined form associated with the document~~the document being contained on a physical or electronic media; and~~

comparing the extracted data to one or more predetermined business rules to determine whether the extracted data complies therewith.

22. (currently amended) A method for routing a document to a desired location comprising the steps of:

receiving the document to be routed, the document being contained on a physical or electronic media;

scanning the document;

extracting data from the scanned document, the extracted data comprising content of the document and type of the document, the content of the document comprises one or more field names and associated data values representing information from the document, and the type of document comprises a predefined form associated with the document;

producing an electronic file including data representing a ~~type of and a~~the content of the document;

validating the data in the electronic file;

comparing the validated data to one or more predetermined business rules to determine whether the validated data complies therewith; and

routing compliant data and the document to one or more the desired locations, among a plurality of locations, based upon the type ~~and content~~ of the document.

23. (withdrawn) An apparatus comprising a processor for processing a document through a plurality of events that when executed, the processor performs the steps of:

determining status information relating to the processing of the document at one or more of said events; and

reporting the status information periodically.

24. (currently amended) A system for routing a document comprising:

at least one processor operable to execute instructions,;  
and

instructions executable by the at least one processor, the instructions including:

extracting data from a document, the extracted data comprising content of the document and type of the document, the content of the document comprises one or more field names and associated data values representing information from the

document, and the type of document comprises a predefined form associated with the document,

determining, from the extracted data, one or more a-desired locations, among a plurality of locations, for the content of the document and the document based on the content contained in the extracted data and the type of document, and

routing the ~~extracted data~~content of the document and the document to the one or more desired locations.

25. (currently amended) A computer for routing a document to a desired location comprising:

a memory for storing one or more predetermined business rules; and

a processor operable to:

extract data from the document to be routed, the extracted data comprises content of the document and type of the document, the content of the document comprises one or more field names and associated data values representing information from the document, and the type of document comprises a predefined form associated with the document, and to

compare the extracted data to the one or more predetermined business rules stored in the memory to determine whether the extracted data complies therewith.

26. (currently amended) A method of routing a document to desired location comprising:

receiving the document to be routed, the document containing content and being one of plurality of types;

scanning the document to extract data from the document, the extracted data comprising content of the document and type of the document, the content of the document comprises one or more field names and associated data values representing information from the document, and the type of document

comprises a predefined form associated with the document~~the extracted data representing the content of the document and the document's type;~~

validating the extracted data by comparing the extracted data to one or more predetermined business rules to determine whether the extracted data complies with the ~~business~~ one or more business rules; and

routing the ~~extracted data~~content of the document and the document to one or more ~~the~~ desired locations, among a plurality of locations, based upon the document's type, the document's content, and whether the document is validated.

27. (previously presented) The method of claim 26, wherein the document is received in a physical or electronic media.

28. (previously presented) The method of claim 26, wherein the scanner utilizes at least one of an Optical Character Recognition technique, an Image-Character Recognition technique, and an Optical Mark Recognition technique.

29. (previously presented) The method of claim 26, wherein the type of document is one of the following group of types: tagged image file format, portable document format or a facsimile image.

30. (previously presented) The method of claim 26, further comprising converting the extracted data into one file format if the extracted data is to be used with one type of program or another file format if the extracted data is to be used with another type of program.



31. (previously presented) The system of claim 26, wherein the one or more business rules include algorithms for checking whether the extracted data is complete.

32. (previously presented) The system of claim 26, wherein the one or more business rules include algorithms for checking whether the extracted data is within a range specified by a user.

33. (previously presented) The system of claim 26, wherein the one or more business rules include algorithms for checking whether the extracted data is in a format specified by a user.

34. (new) The system of claim 1, the content of the document is extracted based on the predefined form.

35. (new) The system of claim 2, the content of the document is extracted based on the predefined form.

36. (new) The system of claim 3, the content of the document is extracted based on the predefined form.

37. (new) The method of claim 20, the content of the document is extracted based on the predefined form.

38. (new) The method of claim 21, the content of the document is extracted based on the predefined form.

39. (new) The method of claim 22, the content of the document is extracted based on the predefined form.

40. (new) The system of claim 24, the content of the document is extracted based on the predefined form.

41. (new) The computer of claim 25, the content of the document is extracted based on the predefined form.

42. (new) The method of claim 26, the content of the document is extracted based on the predefined form.